In the Claims:

This listing of the claims will replace all previous versions, and listings, of the claims in this application.

Claims 1-20, 22-38 and 40-92 were previously pending.

Claims 21 and 39 were previously canceled without prejudice.

Claims 32-34, 52, 69 and 87-89 are amended.

Claims 1-20, 22-38 and 40-92 are pending.

Listing of Claims:

1. (Original) A system comprising:

a search server;

an encoder;

a client computer;

wherein the encoder is to provide an indication of a currently available live presentation to the search server;

wherein the client computer is to submit a request with search criteria to the search server;

wherein the search server is to,

determine whether the currently available live presentation from the encoder matches the search criteria, and

transmit an identifier of the encoder to the client computer if the currently available live presentation matches the search criteria; and

wherein the encoder is to provide the live presentation to the client computer.

2. (Previously presented) A system as recited in claim 1, wherein the encoder is further to provide a subsequent indication to the search server indicating that the live presentation is finished.

3. (Original) A system as recited in claim 1, wherein the encoder further provides to the search server, during the live presentation, information identifying current characteristics of the live presentation.

4. (Original) A system as recited in claim 3, wherein:

the search server is further to transmit the information identifying current characteristics of the live presentation to the client computer; and

the client computer is further to display the information identifying current characteristics of the live presentation.

5. (Previously presented) A system as recited in claim 3, wherein:

the information identifying current characteristics comprises a topic description; and

the encoder provides a characteristics finished indication to the search server when the topic identified by the topic description is no longer being presented.

6. (Original) A system as recited in claim 3, wherein the information identifying the current characteristics comprises text corresponding to the live presentation.

7. (Original) A system as recited in claim 1, wherein the live presentation comprises an audio/video streaming media presentation.

8. (Previously presented) A system comprising:

a search server;

an encoder configured to provide an indication of a currently available live presentation to the search server;

a client computer configured to submit a request with search criteria to the search server, the search server being configured to determine whether the currently available live presentation from the encoder matches the search criteria, and transmit an identifier of the encoder to the client computer when the currently available live presentation matches the search criteria;

wherein the encoder is configured to provide the live presentation to the client computer, and wherein the search server is further configured to:

maintain a record of user search requests; and

notify the corresponding user when a new live presentation becomes available that satisfies a search request.

9. (Previously presented) A method comprising:

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sending, to a search server, information identifying a live presentation available via a network at the beginning of the live presentation; and

identifying, to the search server, when the live presentation is no longer available via the network.

10. (Previously presented) A method as recited in claim 9, wherein the identifying comprises sending, to the search server, an indication of duration of the live presentation.

11. (Original) A method as recited in claim 9, wherein the identifying comprises sending, to the search server, an indication of when the live presentation has ended.

12. (Original) A method as recited in claim 9, further comprising sending, to the search server, an identifier of an encoder from which the live presentation can be obtained.

13. (Original) A method as recited in claim 12, wherein the sending the identifier comprises sending, as the identifier, a uniform resource locator (URL).

14. (Original) A method as recited in claim 9, further comprising identifying, to the search server, information indicating characteristics of a part of the live presentation currently being presented.

15. (Previously presented) A method as recited in claim 14, wherein the identifying information includes sending, to the search server, an indication of a duration of the characteristics.

16. (Previously presented) A method comprising:

sending, to a search server, information identifying a live presentation available via a network at the beginning of the live presentation; and

identifying, to the search server, when the live presentation is no longer available via the network, further comprising:

identifying, to the search server, information indicating characteristics of a part of the live presentation currently being presented, wherein the identifying information includes sending, to the search server, an indication of a duration of the characteristics, and wherein the identifying information comprises:

sending, to the search server, an indication of the characteristics when the current characteristics begin to describe the live presentation; and

sending, to the search server, a characteristics finished indication when the current characteristics no longer describe the live presentation.

17. (Previously presented) A method as recited in claim 9, further comprising generating the information identifying the live presentation as the live presentation is presented via the network.

18. (Previously presented) A method comprising:

sending, to a search server, information identifying a live presentation available via a network at the beginning of the live presentation; and

identifying, to the search server, when the live presentation is no longer available via the network, further comprising generating the information identifying the live presentation as the live presentation is presented via the network, wherein the generating comprises identifying key words as the live presentation is presented.

19. (Previously presented) A method comprising:

sending, to a search server, information identifying a live presentation available via a network at the beginning of the live presentation; and

identifying, to the search server, when the live presentation is no longer available via the network, further comprising using closed captioning data as the information identifying the live presentation.

20. (Original) A method as recited in claim 9, wherein the live presentation comprises a composite media stream having an audio stream and a video stream.

21. (Canceled)

22. (Previously presented) A method comprising:

receiving information identifying a live presentation; and

making the information available for searching only during a duration of the live presentation.

23. (Original) A method as recited in claim 22, wherein the receiving comprises receiving information identifying a live presentation scheduled to occur in the future.

24. (Original) A method as recited in claim 22, wherein the receiving comprises receiving information identifying a currently available live presentation.

25. (Previously presented) A method as recited in claim 22, further comprising:

receiving information identifying a plurality of live presentations; and

for each live presentation, making the information identifying the live presentation available for searching only during a duration of the live presentation.

26. (Previously presented) A method comprising:

receiving information identifying a live presentation; and

making the information available for searching only during a duration of the live presentation, and further comprising:

receiving information identifying a plurality of live presentations;

for each live presentation, making the information identifying the live presentation available for searching only for the duration of the live presentation;

maintaining a record of user search requests; and

notifying the corresponding user when a new live presentation that satisfies a search request is available.

27. (Original) A method as recited in claim 26, further comprising:

receiving, for each of the user search requests, an indication of how the user should be notified; and

notifying the user in accordance with the notification.

28. (Original) A method as recited in claim 22, wherein the receiving comprises receiving the information from a same encoder as is presenting the information.

29. (Previously presented) A method comprising:

receiving information identifying a live presentation; and

making the information available for searching only for a duration of the live presentation, wherein the making the information available for searching comprises:

adding the information to a database of currently available live presentations; and

deleting the information from the database when the live presentation has ended.

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30. (Original) A method as recited in claim 29, further comprising:

receiving a user search request; and

accessing the database of currently available live presentations to determine whether a currently available live presentation matches the user search request.

31. (Previously presented) A method as recited in claim 22, further comprising receiving an indication, from an encoder that is presenting the information, that the live presentation is finished.

32. (Presently amended) A method as recited in claim 22, further comprising:

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation.

33. (Presently amended) A method comprising:

receiving information identifying a live presentation;

making the information available for searching only for a duration of the live presentation;

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation, wherein the making the current characteristic available for searching comprises:

adding the information identifying the current characteristic to a database of currently available live presentations; and

deleting the information identifying the current characteristic from the database when the characteristic no longer describes the currently presenting portion of the live presentation.

34. (Presently amended) A method comprising:

receiving information identifying a live presentation;

making the information available for searching only for a duration of the live presentation;

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation, and further comprising:

maintaining a record of user search requests; and

alerting a corresponding user when a new current characteristic that satisfies a search request describes the currently presenting portion of the live presentation.

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35. (Original) A method as recited in claim 33, further comprising:

receiving a user search request; and

checking the database of currently available live presentations to determine, based at least in part on the current characteristic in the database, whether a currently available live presentation matches the user search request.

36. (Original) A method as recited in claim 22, further comprising:

receiving information identifying a current characteristic of the live presentation; and

transmitting the information identifying the current characteristic of the live presentation to a client computer.

37. (Original) A method as recited in claim 22, further comprising:

generating, based at least in part on the information identifying the live presentation, descriptive information corresponding to the live presentation; and

adding the descriptive information to a database of currently available live presentations.

38. (Original) A method as recited in claim 22, wherein the live presentation includes an audio stream and a video stream.

39. (Canceled)

40. (Original) One or more computer-readable media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to perform functions including:

identifying topic information corresponding to live content, the topic information identifying a current topic of the live content; and

transmitting the topic information to a server to make the topic information available for searching.

41. (Original) One or more computer-readable media as recited in claim 40, wherein the transmitting comprises transmitting the topic information to a search server.

42. (Previously presented) One or more computer-readable media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to perform functions including:

identifying topic information corresponding to live content, the topic information identifying a current topic of the live content; and

transmitting the topic information to a server to make the topic information available for searching, wherein the transmitting comprises transmitting the topic information to an encoder.

43. (Previously presented) One or more computer-readable media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to perform functions including:

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identifying topic information corresponding to live content, the topic information identifying a current topic of the live content; and

transmitting the topic information to a server to make the topic information available for searching, further comprising transmitting a topic finished indication to the server when the topic information is no longer the current topic.

44. (Previously presented) One or more computer-readable media as recited in claim 43, wherein the transmitting the topic finished indication comprises transmitting, as the topic finished indication, a cancel topic indicator.

45. (Previously presented) One or more computer-readable media as recited in claim 43, wherein the transmitting the topic finished indication comprises transmitting, as the topic finished indication, new current topic information.

46. (Original) An apparatus comprising:

a bus;

a processor coupled to the bus; and

a memory, coupled to the bus, to store a plurality of instructions that are executed by the processor, wherein the plurality of instructions, when executed, cause the processor to,

receive information identifying live content,

maintain the information for as long as the live content is available, and

use the information to respond to searches from a plurality of client computers.

47. (Original) An apparatus as recited in claim 46, wherein the instructions to receive information identifying live content are to receive information identifying live content available from an encoder at the time the information is received.

48. (Original) An apparatus as recited in claim 46, further comprising a nonvolatile storage device, coupled to the bus, to record the information identifying live content.

49. (Original) An apparatus as recited in claim 46, wherein the plurality of instructions, when executed, further cause the processor to store the information identifying live content in the memory.

50. (Original) An apparatus as recited in claim 46, wherein the information identifying live content includes a set of descriptive words and an indicator of a server from which the live content is available.

51. (Original) An apparatus as recited in claim 50, wherein the indicator of the server comprises a uniform resource locator (URL).

52. (Presently amended) An apparatus as recited in claim 46, wherein the plurality of instructions, when executed, further cause the processor to:

receive information identifying current characteristics of the live content;

maintain the information identifying the current characteristics for as long as the current characteristics describe the live content; and

use the information identifying the current characteristics to respond to searches from the plurality of client computers.

53. (Previously presented) An apparatus comprising:

a bus;

a processor coupled to the bus; and

a memory, coupled to the bus, to store a plurality of instructions that are executed by the processor, wherein the plurality of instructions, when executed, cause the processor to,

receive information identifying live content,

maintain the information for as long as the live content is available, and

use the information to respond to searches from a plurality of client computers, wherein the plurality of instructions, when executed, further cause the processor to:

receive information identifying current topic information identifying a topic currently being presented as part of the live content;

receive an indication that the topic is no longer being presented;

maintaining the topic information for a period of time after receiving the indication that the topic is no longer being presented; and

using the current topic information to respond to searches from the plurality of computers during the period of time.

54. (Previously presented) An apparatus comprising:

a bus;

a processor coupled to the bus; and

a memory, coupled to the bus, to store a plurality of instructions that are executed by the processor, wherein the plurality of instructions, when executed, cause the processor to,

receive information identifying live content,

maintain the information for as long as the live content is available, and

use the information to respond to searches from a plurality of client computers, wherein the plurality of instructions, when executed, further cause the processor to generate, based on the information identifying live content, descriptive information to be added to a database of live content.

55. (Original) A method comprising:

identifying a set of search criteria to be compared to information describing a plurality of live presentations;

transmitting the set of search criteria to a server; and

receiving a list of live presentations currently in progress that match the search criteria.

56. (Original) A method as recited in claim 55, further comprising:

selecting a live presentation from the list of live presentations; and

requesting that the selected live presentation be transmitted to a client computer corresponding to a user making the selection.

57. (Previously presented) A method comprising:

identifying a set of search criteria to be compared to information describing a plurality of live presentations;

transmitting the set of search criteria to a server; and

receiving a list of live presentations currently in progress that match the search criteria, and further comprising:

transmitting a notification type to the server that indicates how a user that identifies the set of search criteria should be notified by the server when a live presentation is determined by the server to match the search criteria.

58. (Previously presented) A system as recited in claim 1, wherein the encoder is configured to send a message to the search server identifying duration of the live presentation and is further configured to send, to the search server, a further indication to change the duration when a presentation that is scheduled for a particular duration is to be extended.

59. (Previously presented) The method of claim 9, wherein the identifying comprises sending, to the search server, an indication of duration of the live presentation; and further comprising, sending, to the search server, a further

indication to change the duration when a presentation that is scheduled for a particular duration is to be extended.

60.   (Previously presented)   A method as recited in claim 26, further comprising:

receiving, for each of the user search requests, an indication of how the user should be notified chosen from a group consisting of: an email address, a pager number, a phone number and a cellular phone number; and

notifying the user in accordance with the notification.

61.   (Previously presented)   A system comprising:

a search server;

an encoder;

a client computer;

wherein the encoder is to provide an indication of a currently available live presentation to the search server;

wherein the client computer is to submit a request with search criteria to the search server;

wherein the search server is to,

determine whether the currently available live presentation from the encoder matches the search criteria, and

transmit an identifier of the encoder to the client computer if the currently available live presentation matches the search criteria;

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wherein the encoder is configured to provide the live presentation to the client computer; and

wherein the encoder is further configured to provide to the search server, during the live presentation, information identifying current characteristics of the live presentation and the data is chosen from a group consisting of: one or more key words describing the presentation, a summary or abstract of the presentation, or a textual transcript of the presentation.

62. (Previously presented) Computer-readable storage media containing a computer-readable instructions executable by a processor to cause the processor to:

send, to a search server, information identifying a live presentation available over a network at the beginning of the live presentation; and

identify, to the search server, when the live presentation is no longer available over the network.

63. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to send, to the search server, an indication of the duration of the live presentation.

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64. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions configured to cause the processor to identify comprise instructions configured to cause the processor to send, to the search server, an indication of when the live presentation has ended.

65. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to send, to the search server, an identifier of an encoder from which the live presentation can be obtained.

66. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to send, to the search server, an identifier of an encoder from which the live presentation can be obtained, wherein the identifier comprises a uniform resource locator (URL).

67. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to identify, to the search server, information indicating characteristics of a part of the live presentation currently being presented.

68. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions

configured to cause the processor to identify, to the search server, information indicating characteristics of a part of the live presentation currently being presented, including an indication of a duration of the characteristics.

69. (Presently amended) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to identify, to the search server, information indicating current characteristics of a part of the live presentation currently being presented, wherein the instructions are further configured to cause the processor to:

send, to the search server, an indication of the characteristics when the current characteristics begin to describe the live presentation; and

send, to the search server, a characteristics over indication when the current characteristics no longer describe the live presentation.

70. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to generate the information identifying the live presentation as the live presentation is presented over the network.

71. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to generate the information identifying the live

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presentation as the live presentation is presented over the network, wherein the information comprises key words identified as the live presentation is presented.

72. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to use closed captioning data as the information identifying the live presentation.

73. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions comprise instructions configured to cause the processor to send information identifying a live presentation comprise instructions configured to cause the processor to send information identifying a composite media stream having an audio stream and a video stream.

74. (Previously presented) Computer-readable storage media as recited in claim 62, wherein the computer-readable instructions configured to cause the processor to identify comprise instructions configured to cause the processor to send, to the search server, an indication of when the live presentation has ended and to prevent any subsequent user search requests from being satisfied using the information describing that presentation by deleting the information describing that presentation.

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75. (Previously presented) A system comprising:

an encoder configured to provide an indication of a currently available live presentation;

a client computer;

a search server including:

a content database configured to maintain descriptive information regarding current live content available from the encoder;

a notification database configured to maintain information regarding users of client computers registered to be notified when particular live content is available; and

a scheduled presentations database configured to maintain information regarding future live presentations that have been registered with the search server;

wherein the client computer is configured to submit a request with search criteria to the search server;

wherein the search server is configured to:

determine whether the currently available live presentation from the encoder matches the search criteria, and

transmit an identifier of the encoder to the client computer if the currently available live presentation matches the search criteria; and

wherein the encoder is configured to provide the live presentation to the client computer.

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76. (Previously presented) The system of claim 75, wherein the search server includes:

a query interface configured to allow the client computer to communicate with the search server to enter search criteria for live content;

a registration interface configured to allow the encoder to provide descriptive information regarding the live content to be provided to the client computer and to be added to the content database to be used for searches;

a search engine configured to access the content database to search the descriptive information for live content that matches the search criteria upon receipt of a search request via the query interface, and

a database controller configured to manage the content, notification and scheduled presentations databases, including adding entries to and removing entries from the content, notification and scheduled presentations databases.

77. (Previously presented) One or more computer-readable media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to perform functions including:

receiving information identifying a live presentation; and

making the information available for searching only during a duration of the live presentation.

78. (Previously presented) One or more computer-readable media as recited in claim 77, wherein the receiving comprises receiving information identifying a live presentation scheduled to occur in the future.

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79. (Previously presented) One or more computer-readable media as recited in claim 77, wherein the receiving comprises receiving information identifying a currently available live presentation.

80. (Previously presented) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a plurality of live presentations; and

for each live presentation, making the information identifying the live presentation available for searching only during a duration of the live presentation.

81. (Previously presented) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a plurality of live presentations;

for each live presentation, making the information identifying the live presentation available for searching only for the duration of the live presentation;

maintaining a record of user search requests; and

notifying the corresponding user when a new live presentation that satisfies a search request is available.

82. (Previously presented) One or more computer-readable media as recited in claim 81, further comprising:

receiving, for each of the user search requests, an indication of how the user should be notified; and

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notifying the user in accordance with the notification.

83. (Previously presented) One or more computer-readable media as recited in claim 77, wherein the receiving comprises receiving the information from a same encoder as is presenting the information.

84. (Previously presented) One or more computer-readable media as recited in claim 77, wherein the making the information available for searching comprises:

adding the information to a database of currently available live presentations; and

deleting the information from the database when the live presentation has ended.

85. (Previously presented) One or more computer-readable media as recited in claim 84, further comprising:

receiving a user search request; and

accessing the database of currently available live presentations to determine whether a currently available live presentation matches the user search request.

86. (Previously presented) One or more computer-readable media as recited in claim 77, further comprising receiving an indication, from an encoder that is presenting the information, that the live presentation is finished.

87. (Presently amended) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation.

88. (Presently amended) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation, wherein the making the current characteristic available for searching comprises:

adding the information identifying the current characteristic to a database of currently available live presentations; and

deleting the information identifying the current characteristic from the database when the current characteristic no longer describes the currently presenting portion of the live presentation.

89. (Presently amended) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a current characteristic of the live presentation; and

making the current characteristic available for searching for as long as the current characteristic describes a currently presenting portion of the live presentation, and further comprising:

maintaining a record of user search requests; and

alerting a corresponding user when a new current characteristic that satisfies a search request describes the currently presenting portion of the live presentation.

90. (Previously presented) One or more computer-readable media as recited in claim 77, further comprising:

receiving information identifying a current characteristic of the live presentation; and

transmitting the information identifying the current characteristic of the live presentation to a client computer.

91. (Previously presented) One or more computer-readable media as recited in claim 77, further comprising:

generating, based at least in part on the information identifying the live presentation, descriptive information corresponding to the live presentation; and

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adding the descriptive information to a database of currently available live presentations.

92. (Previously presented) One or more computer-readable media as recited in claim 77, wherein the live presentation includes an audio stream and a video stream.

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